

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each.

1. (Currently amended) A mobile communications system having a wireless control apparatus connected to a mobile communications unit, and a node ~~which is~~ connected to the wireless control apparatus and provided on a packet switching (PS) network side configuring a core network, ~~and wherein the node is arranged for has a~~ packet processing, ~~for packet switching communication with said PS network side, of circuit switching (CS) calls of the mobile communications unit and PS calls of the mobile communications unit capability~~, wherein the node comprises:
 - 10 PS user data processing unit configured to control user data relating to a PS call of the mobile communications unit;
 - 12 CS user data processing unit configured to control user data relating to a CS (~~circuit switching~~) call of the mobile communications unit;
 - 14 and
 - 15 control unit configured to control said PS and CS user data processing units by controlling signaling relating to the PS call and the CS call.
1. (Currently amended) The mobile communications system ~~of according to~~ claim 1, wherein:
 - 3 the node is located between the wireless control apparatus and an IP network; and
 - 5 said CS user data processing unit comprises a CODEC for performing mutual conversion between a coding system of user data on a wireless control apparatus side and a coding system on an IP network side.

1 3. (Currently amended) The mobile communications system of according
2 to claim 2, wherein

3 said CS user data processing unit comprises a performing mutual
4 conversion unit configured to perform mutual conversion between a packet
5 format of user data on the wireless control apparatus side and a packet
6 format on the IP network side.

1 4. (Currently Amended) The mobile communications system of according
2 to claim 2, wherein:

3 a connection request relating to the CS call from the mobile
4 communications unit includes connection information about a connection
5 through the IP network; and

6 the wireless control apparatus is configured to detect ~~detects~~ the
7 connection information and, in response, ~~to~~ connects the CS call to the
8 node.

1 5. (Currently amended) A node which is connected to a wireless control
2 apparatus connected to a mobile communications unit and provided on a
3 packet switching (PS) network side configuring a core network of a mobile
4 communications system, and wherein the node is arranged for has a
5 packet processing, for packet switching communication with said PS
6 network side, of circuit switching (CS) calls of the mobile communications
7 unit and PS calls of the mobile communications unit capability,
8 comprising:

9 PS user data processing unit configured to control user data relating
10 to a PS call of the mobile communications unit;

11 CS user data processing unit configured to control user data relating
12 to a CS (circuit switching) call of the mobile communications unit; and

13 control unit configured to control said PS and CS user data
14 processing units by controlling signaling relating to the PS call and the CS
15 call.

1 6. (Currently amended) The node of according to claim 5, wherein:
2 the node is located between the wireless control apparatus and an
3 IP network; and
4 said CS user data processing unit comprises a CODEC for
5 performing mutual conversion between a coding system of user data on a
6 wireless control apparatus side and a coding system on an IP network side.

1 7. (Currently amended) The node of according to claim 6, wherein
2 said CS user data processing unit comprises a performing mutual
3 conversion unit configured to perform mutual conversion between a packet
4 format of user data on the wireless control apparatus side and a packet
5 format on the IP network side.

1 8. (Currently Amended) A wireless control apparatus connected to a
2 mobile communications unit and a node which is provided between the
3 wireless control apparatus and an IP network and on a packet switching
4 (PS) network side forming a core network, wherein the node is arranged
5 for has a packet processing for packet switching communication with said
6 PS network side, of circuit switching (CS) calls of the mobile
7 communications unit and PS calls of the mobile communications unit
8 capability, and comprises:

9 PS user data processing unit configured to control user data relating
10 to a PS call of the mobile communications unit;
11 CS user data processing unit configured to control user data relating
12 to a CS (circuit switching) call of the mobile communications unit; and

13 control unit configured to control said PS and CS user data
14 processing unit by controlling signaling relating to the PS call and the CS
15 call, wherein:

16 a connection request relating to the CS call from the mobile
17 communications unit includes information about a connection through the
18 IP network; and

19 a detector unit configured to detect the information and, in response,
20 to connect connecting the CS call to the node is included.

1 9. (Currently Amended) An operation control method for a mobile
2 communications system having a wireless control apparatus connected to a
3 mobile communications unit, comprising:

4 providing and a node which is connected to the wireless control
5 apparatus and provided on a packet switching (PS) network side
6 configuring a core network, the node configured for packet processing, for
7 packet switching communication with said PS network side, of user data of
8 a PS call of the mobile communications unit and for packet processing of
9 user data of a circuit switching (CS) call of the mobile communications unit
10 eapability, wherein

11 the node performs the steps of:

12 performing, within the node, a PS user data processing step of
13 controlling user data relating to a PS call of the mobile communications
14 unit;

15 performing, within the node, a CS user data processing step of
16 controlling user data relating to a CS (circuit switching) call of the mobile
17 communications unit; and

18 performing, within the node, a control step of controlling signaling
19 relating to the PS call and the CS call.

1 10. (Currently Amended) The operation control method of according to
2 claim 9, wherein:

3 the node is located between the wireless control apparatus and an
4 IP network; and

5 the CS user data processing step comprises a step of performing
6 mutual conversion between a coding system of user data on a wireless
7 control apparatus side and a coding system on an IP network side.

1 11. (Currently Amended) The operation control method of according to
2 claim 10, wherein

3 the CS user data processing step comprises a step of performing
4 mutual conversion between a packet format of user data on a wireless
5 control apparatus side and a packet format on an IP network side.

1 12. (Currently Amended) The operation control method of according to
2 claim 10, wherein:

3 a connection request relating to the CS call from the mobile
4 communications unit includes information about a connection through the
5 IP network[[;]] and further comprising
6 detecting, within the wireless control apparatus, comprises the steps
7 of detecting the information and, in response to the detecting, connecting
8 the CS call to the node.

1 13. (Currently Amended) A record medium encoded with a program that
2 can be executed by a computer which is used to direct a computer to
3 perform an operation of a node which is connected to a wireless control
4 apparatus connected to a mobile communications unit and provided on a
5 packet switching (PS) network side configuring a core network of a mobile
6 communications system, wherein the node is arranged for and has a
7 packet processing, for packet switching communication with said PS

8 network side, of circuit switching (CS) calls of the mobile communications
9 unit and PS calls from the mobile communications unit capability, the
10 operation comprising:

11 a PS user data processing ~~step~~ of controlling user data relating to a
12 PS call of the mobile communications unit;

13 a CS user data processing ~~step~~ of controlling user data relating to a
14 CS (~~circuit switching~~) call of the mobile communications unit; and

15 a control ~~step~~ of controlling signaling relating to the PS call and the
16 CS call.

1 14. (Currently Amended) The record medium of according to claim 13,
2 wherein:

3 the node is located between the wireless control apparatus and an
4 IP network; and

5 the CS user data processing ~~steps~~ comprises ~~a~~ ~~step~~ of performing
6 mutual conversion between a coding system of user data on a wireless
7 control apparatus side and a coding system on an IP network side.

1 15. (Currently Amended) The record medium of according to claim 14,
2 wherein

3 the CS user data processing ~~step~~ comprises ~~a~~ ~~step~~ of performing
4 mutual conversion between a packet format of user data on the wireless
5 control apparatus side and a packet format on the IP network side.

1 16. (Currently Amended) The mobile communication system of according
2 to claim 1, wherein the node is a SGSN (serving global packet service
3 support node).

1 17. (Currently Amended) The node of according to claim 5, wherein the
2 node is a SGSN (serving global gloval packet service support node).